

9. Rocío

Program Name: Rocio.java

Input File: rocio.dat

Output star patterns have always fascinated Rocio, and recently she came up with this design. She picks two integer values A and B, such that A represents a square the size of the entire pattern, and B will be the spine length of each corner, with the middle of the pattern being a square of stars. It's a bit difficult to express this, so look at the samples below. For the two values 7 and 2, the output shows a pattern contained within a 7 by 7 area, with the center of the pattern being a square of stars, and spines of length 2 extending diagonally from each corner. She picks two number such that B is always less than half the value of A, to make the pattern possible.

Write a program that creates the pattern she devised, and end each pattern with a line of equal signs to underline the pattern exactly.

Input: Several pairs of non-negative integers A and B, each pair on one line separated by a single space, $A > B$, $B < A/2$.

Output: The pattern formed by these two integers, as described above and shown below. Each pattern is underlined with a row of equal signs of length A.

Sample input:

$$\begin{array}{cc} 7 & 2 \\ 10 & 3 \\ 9 & 1 \end{array}$$

Sample output:

[illegible]